

# National Geodetic Survey's Geodetic Control Data Sheets for the U.S.

Metadata also available as

## Metadata:

- [Identification\\_Information](#)
  - [Data\\_Quality\\_Information](#)
  - [Spatial\\_Reference\\_Information](#)
  - [Entity\\_and\\_Attribute\\_Information](#)
  - [Distribution\\_Information](#)
  - [Metadata\\_Reference\\_Information](#)
- 

*Identification\_Information:*

*Citation:*

*Citation\_Information:*

*Originator:*

Department of Commerce (DOC), National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), National Geodetic Survey (NGS)

*Publication\_Date:* 200212

*Title:*

National Geodetic Survey's Geodetic Control Data Sheets for the U.S.

*Geospatial\_Data\_Presentation\_Form:* raster digital data

*Publication\_Information:*

*Publication\_Place:* Silver Spring, MD

*Publisher:* NOAA's Ocean Service, National Geodetic Survey (NGS)

*Online\_Linkage:*

LinktoContent=<<http://www.ngs.noaa.gov/datasheet.html>>;

MapServer=<<http://patapsco.nos.noaa.gov>>; MapService=mapfinder;

Server=<<http://patapsco.nos.noaa.gov>>; Service=egis; ServiceType=inventory

*Description:*

*Abstract:*

Geodetic control data sheets for the U.S. and areas for which NOAA has mapping and charting responsibilities. These data sheets are generated from the National Spatial Reference System (NSRS), as defined and managed by the National Geodetic Survey (NGS). For further information, please visit: <[http://www.ngs.noaa.gov/cgi-bin/ds\\_lookup.prl?Item=DSDATA.TXT](http://www.ngs.noaa.gov/cgi-bin/ds_lookup.prl?Item=DSDATA.TXT)>.

*Purpose:*

Data from the NSRS establishes the framework for latitude, longitude, height, scale, gravity, orientation and shoreline throughout the United States.

*Supplemental\_Information:*

NGS Geodetic data sheets are currently being distributed by CD-ROM. NGS' data sheet CD-ROM contains position, height, and descriptive information for more than 150,000 control points on two compact disks for each of five regions of the United

States (updated at approximately 1-year intervals). The five geographic regions and their associated states include: North-Central United States (IL, IN, IA, KS, MI, MN, MO, MT, NE, ND, SD, WI, and WY); Northeast United States (CT, DE, DC, KY, ME, MD, MA, NH, NJ, NY, OH, PA, RI, VT, VA, and WV); Southeast United States, Puerto Rico, and the Virgin Islands (AL, FL, GA, MS, NC, PR/VI, SC, and TN); South-Central United States (AZ, AR, CO, LA, NV, NM, OK, TX, and UT); Western United States and Pacific Territories (AK, CA, HI, ID, OR, WA, and Pacific Territories). Hyperlinks provide access to NGS' continuously updated online data sheets. Please visit <<http://www.ngs.noaa.gov/CDROM/DScdromInfo.htm>> for more information on updates to CD-ROM data sheets.

*Time\_Period\_of\_Content:*

*Time\_Period\_Information:*

*Range\_of\_Dates/Times:*

*Beginning\_Date:* 1995

*Ending\_Date:* present

*Currentness\_Reference:* publication date

*Status:*

*Progress:* In work

*Maintenance\_and\_Update\_Frequency:* Daily

*Spatial\_Domain:*

*Bounding\_Coordinates:*

*West\_Bounding\_Coordinate:* -180

*East\_Bounding\_Coordinate:* 180

*North\_Bounding\_Coordinate:* 71.4

*South\_Bounding\_Coordinate:* -14.3

*Keywords:*

*Theme:*

*Theme\_Keyword\_Thesaurus:* None

*Theme\_Keyword:* elevation

*Theme\_Keyword:* gravity measurements

*Theme\_Keyword:* location

*Theme\_Keyword:* latitude

*Theme\_Keyword:* longitude

*Theme\_Keyword:* geodetic control

*Theme\_Keyword:* geodesy

*Theme\_Keyword:* NGS

*Theme\_Keyword:* geoid

*Theme\_Keyword:* GPS

*Theme\_Keyword:* survey

*Theme\_Keyword:* spatial reference

*Theme\_Keyword:* datum

*Theme\_Keyword:* bench mark

*Theme\_Keyword:* leveling

*Theme\_Keyword:* height

*Theme\_Keyword:* oceans

*Theme\_Keyword:* CORS

*Place:*

*Place\_Keyword\_Thesaurus:* None

*Place\_Keyword:* U.S. Exclusive Economic Zone

*Access\_Constraints:* public domain - no restrictions

*Use\_Constraints:* public domain - no constraints

*Point\_of\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:*

National Oceanic and Atmospheric Administration (NOAA), National  
Ocean Service (NOS), National Geodetic Survey (NGS)

*Contact\_Position:* Chief, Spatial Reference System Division

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 1315 East West Highway N/NGS2

*City:* Silver Spring

*State\_or\_Province:* MD

*Postal\_Code:* 20910

*Country:* U.S.

*Contact\_Voice\_Telephone:* 301-713-3191

*Contact\_Facsimile\_Telephone:* 301-713-4324

*Contact\_Electronic\_Mail\_Address:* info\_center@ngs.noaa.gov

*Native\_Data\_Set\_Environment:* <<http://www.ngs.noaa.gov/datasheet.html>>

---

*Data\_Quality\_Information:*

*Logical\_Consistency\_Report:*

Total consistency is maintained throughout the data set by following the "Input Formats and Specifications of the National Geodetic Survey Data Base: The NGS Bluebook. For detailed information about the NGS Bluebook, see: <<http://www.ngs.noaa.gov/FGCS/BlueBook/>>

*Completeness\_Report:*

New data sets (from backlog projects) that are not included in this National data set, will be included in the future as resources permit.

*Lineage:*

*Process\_Step:*

*Process\_Description:*

Data for Geodetic Control is input by following the "Input Formats and Specifications of the National Geodetic Survey Data Base: The NGS Bluebook. For a description about the process step included in this process, please see the detailed information about the NGS Bluebook at:

<<http://www.ngs.noaa.gov/FGCS/BlueBook/>>

*Process\_Date:* Unknown

*Process\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:*

National Oceanic and Atmospheric Administration (NOAA),  
National Ocean Service (NOS), National Geodetic Survey  
(NGS)

*Contact\_Position:* Chief, Spatial Reference System Division

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 1315 East West Highway N/NGS2

*City:* Silver Spring

*State\_or\_Province:* MD

*Postal\_Code*: 20910  
*Country*: U.S.  
*Contact\_Voice\_Telephone*: 301-713-3191  
*Contact\_Facsimile\_Telephone*: 301-713-4324  
*Contact\_Electronic\_Mail\_Address*: info\_center@ngs.noaa.gov

*Process\_Step*:

*Process\_Description*: Dataset copied.  
*Source\_Used\_Citation\_Abbreviation*: C:\mdreview\geocontrol

---

*Spatial\_Reference\_Information*:

*Horizontal\_Coordinate\_System\_Definition*:

*Geographic*:

*Latitude\_Resolution*: 0.000000003  
*Longitude\_Resolution*: 0.000000003  
*Geographic\_Coordinate\_Units*: Decimal degrees

*Geodetic\_Model*:

*Horizontal\_Datum\_Name*: North American Datum of 1983  
*Ellipsoid\_Name*: Geodetic Reference System 1980  
*Semi-major\_Axis*: 6,378,137 meters  
*Denominator\_of\_Flattening\_Ratio*: 298.25722210088...

*Vertical\_Coordinate\_System\_Definition*:

*Altitude\_System\_Definition*:

*Altitude\_Datum\_Name*: North American Vertical Datum of 1988  
*Altitude\_Resolution*: 0.001  
*Altitude\_Distance\_Units*: meters  
*Altitude\_Encoding\_Method*: Attribute values

---

*Entity\_and\_Attribute\_Information*:

*Detailed\_Description*:

*Entity\_Type*:

*Entity\_Type\_Label*: Geodetic Control

*Entity\_Type\_Definition*:

A set of control stations established by geodetic methods. Horizontal Geodetic Control: These data of geodetic control consist first of distances, directions, and angles between control stations. These are converted to geodetic coordinates (i.e., geodetic latitudes and longitudes) and azimuths. The former, in turn, may be converted into other kinds of coordinates such as plane coordinates in a State Plane Coordinate System. This is the form in which they are usually used in the United States for local surveys. Vertical Geodetic Control: These control points are those whose elevations (i.e., orthometric heights) have been accurately determined, can be identified with physical points on the Earth, and can be used to provide elevations for other surveys. Elevations are referred, by definition, to the geoid. However, horizontal surfaces through selected points on mean sea level have been used for reference, as have non-horizontal surfaces defined by a combination of leveling surveys and points on (local) mean sea level. NOTE: With the advent of 3-dimensional satellite-based survey (e.g., GPS, Global Positioning System), horizontal and vertical geodetic control

are obtained simultaneously from the vectors derived by processing data transmitted from convert vertical control obtained by GPS to geoid-referenced elevations (i.e., orthometric heights).

*Entity\_Type\_Definition\_Source:*

"Geodetic Glossary," (1986), National Geodetic Survey, Library of Congress Catalog Card Number: 86-61105.

*Attribute:*

*Attribute\_Label:* DESIGNATION

*Attribute\_Definition:* brief identifying description

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* PID

*Attribute\_Definition:* station permanent identifier

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* COUNTY

*Attribute\_Definition:* county that the mark is located in

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* USGS\_QUAD

*Attribute\_Definition:* name of USGS 7.5 minute series map of area

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* HORIZONTAL\_DATUM

*Attribute\_Definition:* horizontal datum, NAD83

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* DATUM\_TAG

*Attribute\_Definition:* year of adjustment (HARN)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* LATITUDE

*Attribute\_Definition:* decimal degrees (horizontal control)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* LONGITUDE

*Attribute\_Definition:* decimal degrees (-West)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* POS\_SRC

*Attribute\_Definition:* position source (adjusted or scaled)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* HORZ\_ORDER

*Attribute\_Definition:* relative accuracy (A, B, First, Second, Third)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* X, Y, Z

*Attribute\_Definition:* values of earth-centered earth-fixed coordinates

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* ELLIP\_HEIGHT

*Attribute\_Definition:* elevation of the station above the reference ellipsoid

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* ELLIP\_ORDER

*Attribute\_Definition:* relative accuracy (First, Second, Third, etc.)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* ELLIP\_CLASS

*Attribute\_Definition:* relative accuracy within Order(1, 2)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* GEOID\_HEIGHT

*Attribute\_Definition:* elevation of the geoid above reference ellipsoid

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* GEOID\_SRC

*Attribute\_Definition:* model used for computing geoid height

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* ELLIP\_SRC

*Attribute\_Definition:* ellipsoid value source

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* MODELED\_GRAV

*Attribute\_Definition:* Interpolated gravity value

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* GPS\_SUITABILITY

*Attribute\_Definition:* evaluation of ability to collect GPS observations

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* SUIT\_DATE

*Attribute\_Definition:* date of GPS suitability evaluation

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* LAPLACE\_CORR

*Attribute\_Definition:* value added to astronomic azimuth to obtain geodetic azimuth

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* VERT\_DATUM

*Attribute\_Definition:* vertical datum, NAVD88

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* HEIGHT

*Attribute\_Definition:* orthometric height (elevation, vertical control)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* HEIGHT\_SRC

*Attribute\_Definition:* elevation source (adjusted, computed, reset, scaled, etc.)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* VERT\_ORDER

*Attribute\_Definition:* relative accuracy (First, Second, Third)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* VERT\_CLASS

*Attribute\_Definition:* relative accuracy within VERT\_ORDER (0, 1, 2)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* STAMPING

*Attribute\_Definition:* text stamped into survey monument disk

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* MONUMENTATION

*Attribute\_Definition:* surface marker type (codes in NGS Blue Book Annex I)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/FGCS/BlueBook/>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* SETTING

*Attribute\_Definition:* mark setting information (codes in NGS Blue Book Annex I)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/FGCS/BlueBook/>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* MAGNETIC

*Attribute\_Definition:* magnetic property of mark (codes in NGS Blue Book Annex I)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/FGCS/BlueBook/>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* MARK\_LOGO

*Attribute\_Definition:* organization logo on mark (codes in NGS Blue Book Annex C)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/FGCS/BlueBook/>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* STABILITY

*Attribute\_Definition:* expected stability of mark (codes in NGS Blue Book Annex I)

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/FGCS/BlueBook/>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* LAST\_HISTORY

*Attribute\_Definition:* latest mark recovery information

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* REC\_DATE

*Attribute\_Definition:* date of last recovery

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* REC\_CONDITION

*Attribute\_Definition:* condition of mark at last recovery

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* REC\_AGENCY

*Attribute\_Definition:* agency which performed last recovery

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

*Attribute:*

*Attribute\_Label:* RECOVERY\_TEXT

*Attribute\_Definition:* detailed descriptive text for mark

*Attribute\_Definition\_Source:* <<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>

*Attribute\_Domain\_Values:*

*Unrepresentable\_Domain:* variable

---

*Distribution\_Information:*

*Distributor:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:*

National Oceanic and Atmospheric Administration (NOAA), National  
Ocean Service (NOS), National Geodetic Survey (NGS)

*Contact\_Position:* Chief, Spatial Reference System Division

*Contact\_Address:*

*Address\_Type:* mailing and physical address

*Address:* 1315 East West Highway N/NGS2

*City:* Silver Spring

*State\_or\_Province:* MD

*Postal\_Code:* 20910

*Country:* U.S.

*Contact\_Voice\_Telephone:* 301-713-3191

*Contact\_Facsimile\_Telephone:* 301-713-4324

*Contact\_Electronic\_Mail\_Address:* info\_center@ngs.noaa.gov

*Resource\_Description:* Live Data and Maps

*Distribution\_Liability:*

The Spatial Data Transfer Standard (SDTS) is published as Federal Information Processing Standard (FIPS) number 173. The Point Profile (SDTS part 6) is published by the Federal Geographic Data Committee (FGDC). This format is intended to be used for the transfer of data into a GIS or automated mapping system. Otherwise use the standard "dsdata format:"  
<<http://www.ngs.noaa.gov/cgi-bin/showdoc.prl?Doc=dsdata.txt>>.

Data sheets are downloaded monthly for new stations loaded into the database and for stations whose coordinates have changed. These data sheets are stored in separate State Directories, which may be used to update your annual CD-ROM.

*Standard\_Order\_Process:*

*Digital\_Form:*

*Digital\_Transfer\_Information:*

*Format\_Name:* SDTS

*Digital\_Transfer\_Option:*

*Online\_Option:*

*Computer\_Contact\_Information:*

*Network\_Address:*

*Network\_Resource\_Name:*

<<http://www.ngs.noaa.gov/datasheet.html>>

*Fees:* None

---

*Metadata\_Reference\_Information:*

*Metadata\_Date:* 200212

*Metadata\_Contact:*

*Contact\_Information:*

*Contact\_Organization\_Primary:*

*Contact\_Organization:*

National Oceanic and Atmospheric Administration (NOAA), National  
Ocean Service (NOS), National Geodetic Survey (NGS)

*Contact\_Position:* Chief, Spatial Reference System Division

*Contact\_Address:*

*Address\_Type:* mailing address

*Address:* 1315 East - West Highway N/NGS2

*City:* Silver Spring

*State\_or\_Province:* MD

*Postal\_Code:* 20910

*Country:* U.S.

*Contact\_Voice\_Telephone:* 301-713-3191

*Contact\_Facsimile\_Telephone:* 301-713-4324

*Contact\_Electronic\_Mail\_Address:* info\_center@ngs.noaa.gov

*Metadata\_Standard\_Name:* FGDC Content Standards for Digital Geospatial Metadata

*Metadata\_Standard\_Version:* FGDC-STD-001-1998

*Metadata\_Time\_Convention:* local time

---

Generated by [mp](#) version 2.7.3 on Thu Mar 20 13:35:42 2003